FORM PTO 1449 (modified) ATTY DOCKET NO. APPLICATION NO. 03500.010530.4 09/161,774 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE APPLICANT KIYOFUMI SAKAGUCHI, ET AL. REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary) FILING DATE GROUP Submitted: Np mber 25, 2003 2823 **September 29, 1998** a monchite U.S. PATENT DOCUMENTS DOCUMENT FILING DATE *EXAMINER INITIA NUMBER DATE NAME CLASS SUBCLASS IF APPROPRIATE 4,116,751 09/26/78 Zaromb 156 600 4,727,047 02/23/88 Bozler, et al. 437 89 5,248,621 09/28/93 Sano 437 3 5,250,460 10/05/93 Yamagata, et al. 437 62 5,277,748 01/11/94 Sakaguchi, et al. 156 630 90 5,278,092 01/11/94 437 Sato 5,278,093 01/11/94 Yonehara 437 109 5,285,078 02/08/94 Mimura, et al. 257 3 5,290,712 03/01/94 Sato, et al. 437 24 06/14/94 428 446 5,320,907 Sato 07/19/94 257 3 Yamada, et al. 5,331,180 437 226 5,362,683 11/08/94 Takenaka, et al. 5,363,793 117 2 11/15/94 Sato Yonehara 437 86 5,371,037 12/06/94 5,374,564 12/20/94 **Bruel** 437 24 5,403,771 04/04/95 Nishida, et al. 437 89 5,433,168 07/18/95 Yonehara 117 90 09/26/95 437 62 5,453,394 Yonehara, et al. 10/10/95 437 24 5,457,058 Yonehara 5,459,081 10/17/95 Kajita 437 3 437 62 5,466,631 11/14/95 Ichikawa, et al. 5,536,361 07/16/96 Kondo, et al. 156 630.1 FOLKSON 517106 **EXAMINER DATE CONSIDERED**

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FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE			ATTY DOCKET NO. APPLICATION NO. 09/161,774				
PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S)				APPLICANT KIYOFUMI SAKAGUCHI, ET AL.			
(Use several sheets if necessary) Submitted: November 25, 2003			FILING DATE September 29, 1998		GROUP 2823		
			U.S	. PATENT DOCUMENTS			
'EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
01/2		5,644,156	07/01/97	Suzuki, et al.	257	485	
WM 2 5 20	명벌	5,670,411	09/23/97	Yonehara, et al.	437	62	
CAN & TRADE		5,811,348	09/22/98	Matsushita, et al.	438	455	
TRADE	1_	5,854,123	12/29/98	Sato, et al.	438	507	
		5,856,229	01/05/99	Sakaguchi, et al.	438	406	
		5,863,830	01/26/99	Bruel, et al.	438	478	
		5,869,387	02/09/99	Sato, et al.	438	459	_
		5,970,361	10/19/99	Kumomi, et al.	438	409	
		5,980,633	11/09/99	Yamagata, et al.	117	94	
		6,103,598	08/15/00	Yamagata, et al.	438	459	
	<u> </u>	6,107,213	08/22/00	Tayanaka	438	762	
		6,121,117	09/19/00	Sato, et al.	438	459	
		6,194,245 B1	02/27/01	Tayanaka	438	57	
		6,326,280 B1	12/04/01	Tayanaka	438	409	
G		6,426,274 B1	07/30/02	Tayanaka	438	458	
			FORE	IGN PATENT DOCUMENTS			
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
<u>(E</u>	EP	√ 0417838 A1	03/20/91	EPO			
	EP	V 0469630 A2	02/05/92	EPO			
	EP	0499488 A2	08/19/92	EPO			
	EP	0536790 A2	04/14/93	EPO		<u> </u>	
	EP	0553852 A2	08/04/93	ЕРО			
(3	EP	V 0553859 A3	08/04/93	ЕРО			
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FORM PTO 1449 (modified) ATTY DOCKET NO. APPLICATION NO. 03500.010530.4 09/161,774 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE APPLICANT KIYOFUMI SAKAGUCHI, ET AL. LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary) FILING DATE GROUP Submitted: November 25, 2003 2823 September 29, 1998 FOREIGN PATENT DOCUMENTS *EXAMINER TRANSLATION DOCUMENT DATE COUNTRY CLASS SUBCLASS YES/NO/ NUMBER OR ABSTRACT 0553860 A2 08/04/93 **EPO** 0554795 A1 08/11/93 **EPO** TO MADE EP 0584777 A1 03/02/94 **EPO** EP 0618624 A2 10/05/94 **EPO** EP 0757377 A2 02/05/97 **EPO** EP 09/03/97 0793263 A2 **EPO** EP 0797258 A2 09/24/97 **EPO** GB 2211991 A 07/12/89 United Kingdom JP 60-196955 V 10/05/85 Abstract Japan JР **Abstract** 05/19/87 62-108539 \/ Japan Part Tran. JP 62-279625 12/04/87 Japan JP 03-70156 03/26/91 **Abstract** Japan .IP 05-211128 08/20/93 Abstract Japan **Translation** JP 05-283722 10/29/93 Japan JP 06-45622 02/18/94 Japan **Translation**

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07-211602

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	FORM PTO 1449 (modified)			ATTY DOCKET NO. APPLICATION NO.						
	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE LIST OF REFERENCES CITED BY APPLICANT(S)				03500.010530.4	!	<u> </u>	09/161,774		
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	POTEAL V		DOCUMENT NUMBER	DATE	COUNTRY		CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT	
	F 5 700	(S)	9-162090	06/20/97	Japan				Abstract	
	Hu. F	1990	92/09104	05/29/92	PCT					
I	W & TRADE	/ T	OTHER	DOCUMENT(S) (incl	uding Author, Title, Date, Pe	rtinent	Pages, Etc.)			
	<u>(</u>)	V	T. Abe et al. "Silicon Kes partial translation)	sshou to Doping	g (Silicon Crystal ar	nd Do	ping)", Maruze	n Co., Ltd., 1	986 (with	
		·v	K. Barla, et al., "SOI Tec	chnology Using	Buried Layers of C	xidi	zed Porous Si", j	рр. 11-15 (19	87)	
		√	H. Baumgart, et al., "Light Scattering Topography Characterization Of Bonded SOI Wafers", Extended Abstracts, Elect. Chem. Soc. 1st Symp., pp. 375-385 (1991)							
		V	G.W. Cullen, ed., Journal of Crystal Growth, vol. 63, no. 3, pp. 429-590, Oct. 1983 (see, e.g., p. 547.)							
		V	Extended Abstracts (57th Autumn Meeting, 1996), The Japan Society of Applied Physics (Abstr. 8a-V-8) (with translation)							
			Extended Abstracts (44th Spring Meeting, 1997), The Japan Society of Applied Physics and Related Societies (Abstr. 31a-B-5) (with translation)							
		*	Extended Abstracts (59th Autumn Meeting, 1998), The Japan Society of Applied Physics (Abstr. 15a-YB-4) (with translation)							
		1								
		Y. Hashimoto, "Shin-Kagaku Yougo Jiten" (New Chemical Term Dictionary), Sankyo Shuppan Co., Ltd., 6th Edn (1973) (definition of anodic oxidation) (with translation)								
		V	R.P. Holmstrom, et al. "Complete dielectric isolation by highly selective and self-stopping formation of oxidized porous silicon," Applied Physics Letters, vol. 42, no. 4, pp. 386-388, Feb. 1983.							
		V	C.E. Hunt, et al., "Thinning of Bonded Waters: Etch-Stop Approaches", Extended Abstracts, Elect. Chem. Soc. 1" Symp., pp. 165-173 (1991)							
		V	K. Imai, "A New Dielectric Isolation Method Using Porous Silicon," Solid State Electronics, vol. 24, no. 2, pp. 159-164, 1981.							
	Κ. Imai et al., "Crystalline Quality of Silicon Layer Formed by FIPOS Technology," J. of Crystal Growth 63, pp. 547-553 (1983)									
1	EXAMINER		FOURSUA)		DATE CONSIDERED		5/31/06			

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FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			·	03500.010530.4 APPLICATION NO. 09/161,774		09/161,774		
			ENT AND TRADÉMARK OFFICE	APPLICANT	IMI CAVACUC	HI FT AI		
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)				KIYOFUMI SAKAGUCHI, ET AL.				
Submitted: November 25, 2003			7 25, 2003	FILING DATE September 29, 1998 GROUP 2823				
			OTHER DOCUMENT(S	(Including Author, Title, Date, Pertinent	Pages, Etc.)	·		
T. Ito et al. "Porous Silicon Crystal pp. 1710-1720 (1988) (no translation V. Labunov, et al. "Heat Treatment				-	, Applied Physic	<u>s</u> (Japanese) vol. 57, no. 11,		
I THE	1500	S V	V. Labunov, et al."Heat Treatment	Effect on Porous Silicon,"	Thin Solid Films	, 137 (1986) pp. 123-134		
	TRADE		W.P. Maszara, "Silicon-On-Insulator by Wafer Bonding: A Review", J. Electrochem. Soc., vol. 138, No. 1, pp. 340-347 (1991)					
		A	Kazutoshi Nagano, et al., "Oxidized Porous Silicon and It's Application", Semiconductor Research Lab Matsushita Electric Industrial Co., Ltd. SSD 79-95, pp. 49-54 (no translation)					
	1	V	Nikkei Microdevice, pp. 76-77 (July	y 1994) (with translation)				
		V	K. Ogasawara, et al., "Enhancement Photoelectrochemical Behavior", J.					
		٧	M. Ohnishi, et al., "New Type Structures Of A-Si Solar Cell Submodules Fabricated By Microscopic Hole Spacing Technique", Record of the Photovoltaic Specialist Conference, Kissimimee, May 21-25, 1990, vol. 2, No. Conf. 21, pp. 1394-1399, May 21, 1990.					
		V	Patent Abstracts of Japan, vol. 18, No. 066 (E-1501), Feb. 3, 1994 (for JP-5-283722)					
		·V	V. Raineri, et al., "Silicon-on-insulator produced by helium implantation and thermal oxidation", Appl. Phys. Lett. 66(26), 3653-3656 (June 1995)					
		٧	Sato, et al., Extended Abstracts, Elect. Chem. Soc., "Epitaxial Growth on Porous Si for a New Bond and Etch-back SOI," vol. 94-1, pp. 705-706 (1994).					
		V	H. Tayanaka, et al., "Thin-Film Crystalline Silicon Solar Cells Obtained by Separation of a Porous Silico Sacrificial Layer" 2d World Conf. and Exhibition on Photovoltaic Solar Energy Conversion (1998)					
	T. Unagami, "Formation Mechanism of Porous Silicon Layer by Anodization in HF Solution," Journa the Electrochemical Society, vol. 127, no. 2, pp. 476-483, Feb. 1980.					n HF Solution," Journal of		
		V	A. Uhlir, Jr., "Electrolytic Shaping of Geranium and Silicon," The Bell System Technical Journal, vol. XXXV, pp. 333-347, Mar. 1956.					
		٧	A. Van Veen, et al., "Helium-Induced Porous Layer Formation In Silicon", Mat. Res. Soc. Symp. Proc., vol. 107, pp. 449-454 (1988)					
	T. Yasumata, et al., "Ultrathin Si films grown expitaxially on porous silicon", Applied Surface Science, vol 48/49, pp. 414-418, May 1991.							
	T. Yonehara et al., "Epitaxial layer transfer by bond and etch back of porous Si", Appl. Phys. Lett., 64(16), 2108-2110 (1994)							
	F		Patent Abstracts of Japan, vol. 10,			6955, October 5, 1985)		
EXA	MINER	1	Fourson	DATE CONSIDERED	5/31/06			

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO 1449 (mc	odified)		ATTY DOCKET NO.	APPLICAT	ION NO.		
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE			03500.010530.4 (35.C10530 C1/D2)		74		
LIST OF REFERENCES CITED BY APPLICANT(S) (Use several sheets if necessary)			APPLICANT KIYOFUMI SAKAGUCHI, ET AL.				
Submitted: October	23, 2003		FILING DATE GROUP		123		
			U.S. PATENT DOCUMENTS				
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		F(OREIGN PATENT DOCUMENTS	_			
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3	5-217981	8/27/93	Japan			Abstract	
	5-217827	8/27/93	Japan			Abstract	
	0 553 861 A1	8/04/93	Europe				
(5)	0 553 859 A2	8/04/93	Europe				
	O.	THER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)				
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